We Claim:

1. A synthesized oligourea comprising all or part of the basic-arginine rich region of Tat.

- 2. A method of inhibiting the binding of Tat protein to TAR RNA comprising introducing the oligourea of claim 1 into a cellular environment wherein the inhibition is sought to occur.
- 3. The method of claim 2 wherein the cellular environment is one infected by the HIV-1.
- 4. The method of claim 3 wherein the oligourea of claim 1 binds to the TAR RNA of HIV-1, thereby limiting the binding of Tat to TAR RNA.
- 5. A synthesized oligourea comprising all or part of the sequence disclosed in Figure 1A
- 6. A synthesized oligourea comprising all or part of the structure disclosed in Figure 1B
- 7. A method of inhibiting the binding of Tat protein to TAR RNA comprising introducing the oligourea of claim 5 into a cellular environment wherein the inhibition is sought to occur.
- 8. The method of claim 6 wherein the cellular environment is one infected by the HIV-1.
- 9. The method of claim 8 wherein the oligourea of claim 5 binds to the TAR RNA of HIV-1, thereby limiting the binding of Tat to TAR RNA.

- A method of inhibiting the binding of Tat protein to TAR RNA comprising introducing the oligourea of claim 6 into a cellular environment wherein the inhibition is sought to occur.
- 11. The method of claim 10 wherein the cellular environment is one infected by the HIV-1.
- 12. The method of claim 11 wherein the oligourea of claim 1 binds to the TAR RNA of HIV-1, thereby limiting the binding of Tat to TAR RNA.
- 13. A composition that has a high and specific binding affinity for a nucleic acid, comprising oligourea.
- 14. The composition of claim 13, wherein the oligourea additionally has amino acid side-chains incorporated at the R_1 and R_2 positions of the chemical structure in Figure 1B.
- 15. The composition of claim 14, wherein the amino acid side chains correspond in sequence to those of a nucleic acid-binding protein.
- 16. The composition of claim 15, wherein the amino acid side chains correspond to the Tat protein.
- 17. The composition of claim 16, wherein the amino acid side-chains correspond to residues 48 57 of the Tat protein.
- 18. The composition of claim 17, wherein the amino acid side-chains correspond to SEQ ID NO:1.

- 19. The domposition of claim 18, wherein the amino acid side-chains correspond to the SEQ ID NO:1 with a L-Tyr amino acid at the carboxyl-terminus.
- 20. A method of inhibiting a protein-nucleic acid interaction, comprising introducing the composition of claim 13.
- 21. The method of claim 20, wherein the composition of claim 13 is introduced into a human patient.
- 22. The method of claim 21, wherein the composition of claim 16 is introduced to a human patient infected by the HIV-1 virus.
- 23. The method of claim 20, wherein the composition of claim 13 is introduced into an isolated cell.
- 24. A kit comprising the composition of claim 13 in a container.
- 25. A kit, comprising the composition of claim 13 in a container and instructions to carry out the method of claim 20.
- 26. A composition of claim 13, which binds to nucleic acids, which has a disassociation constant (K_D) less or equal to 0.70 μM .